

Micronet Communications, Inc.
720 F Avenue, Suite 100
Plano, Texas 75074
972-422-7200

File: M1736301

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TECHNICAL CHARACTERISTICS OF RECEIVE ONLY EARTH STATION

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Company: DOMINION VIDEO SATELLITE, INC.
Site Name, State: Sky Angel, TN
Call Sign:
Latitude (NAD83) 35 8 39.2 N
Longitude (NAD83) 84 53 51.2 W
Elevation AMSL (ft/m) 891.40 271.70
Receive Frequency Range (MHz) 3700-4200
Transmit Frequency Range (MHz)
Range of Satellite Orbital Long. (deg W) 31.00 139.00
Range of Azimuths from North (deg) 112.77 247.38
Antenna Centerline (ft/m) 9.84 3.00
Antenna Elevation Angles (deg) 20.69 20.52

Equipment Parameters Receive

Antenna Gain, Main Beam (dbI) 43.50
15 DB Half Beamwidth (deg) 2.40

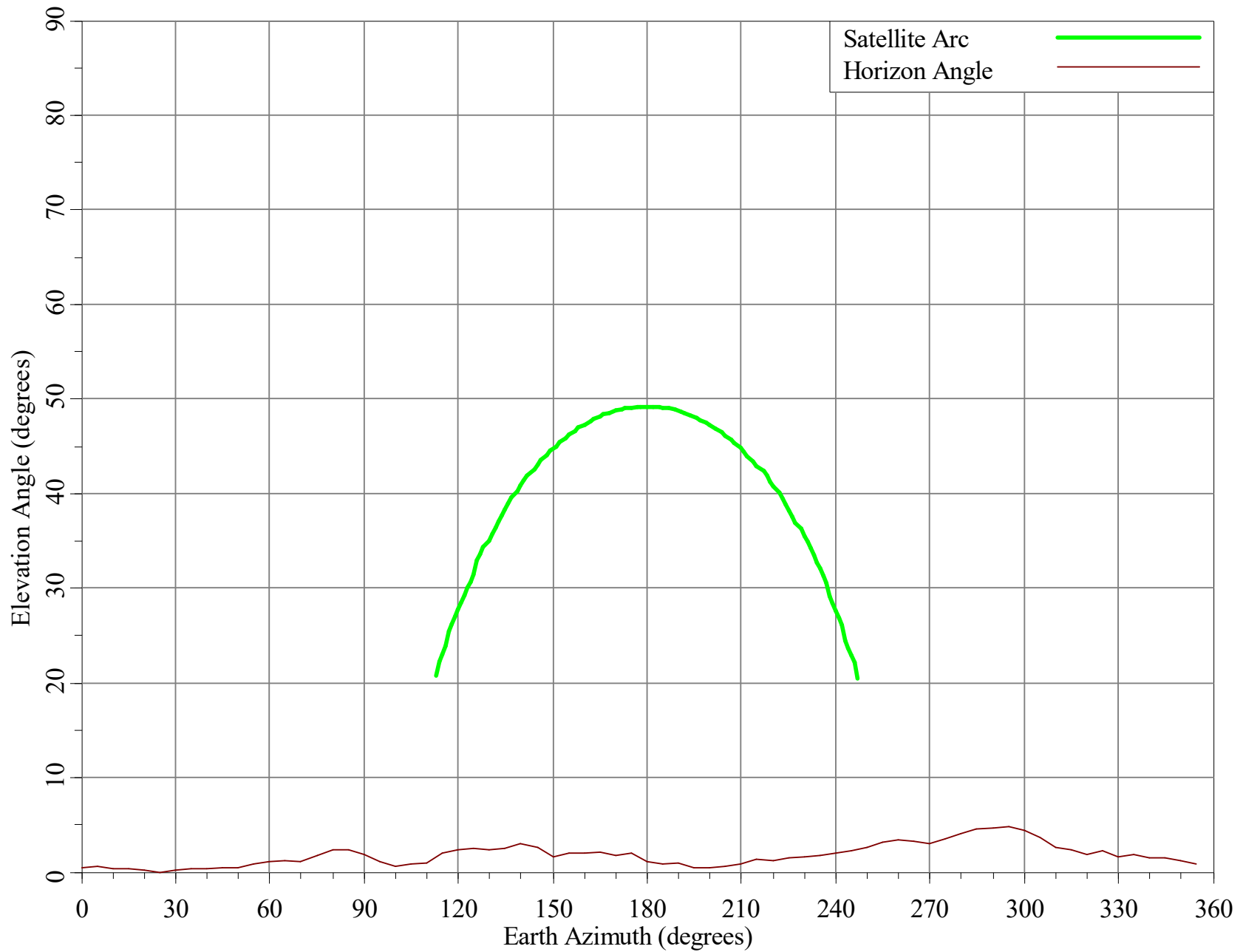
Antennas Receive: COMTECH 3.8M

Max Transmitter Power (dbW/4KHz)
Max EIRP Main Beam (dbW/4KHz)
Modulation / Emission Designator DIGITAL 8M20G7W

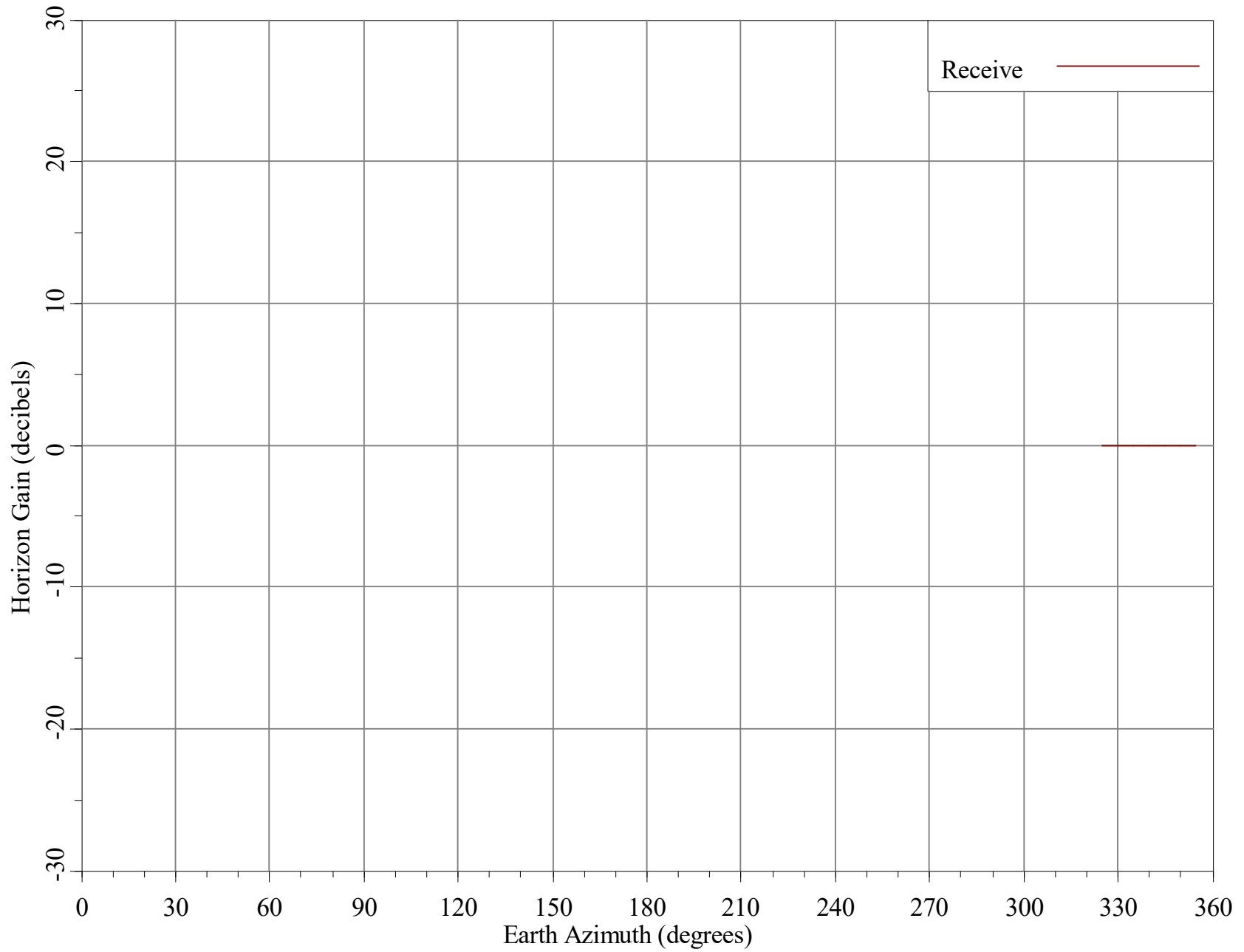
Coordination Parameters Receive

Max Greater Circle Distances (km) 266.03
Max Rain Scatter Distances (km) 518.15
Max Interference Power Long Term (dbW) -140.60
Max Interference Power Short Term (dbW) -118.40
Rain Zone / Radio Zone 1 A

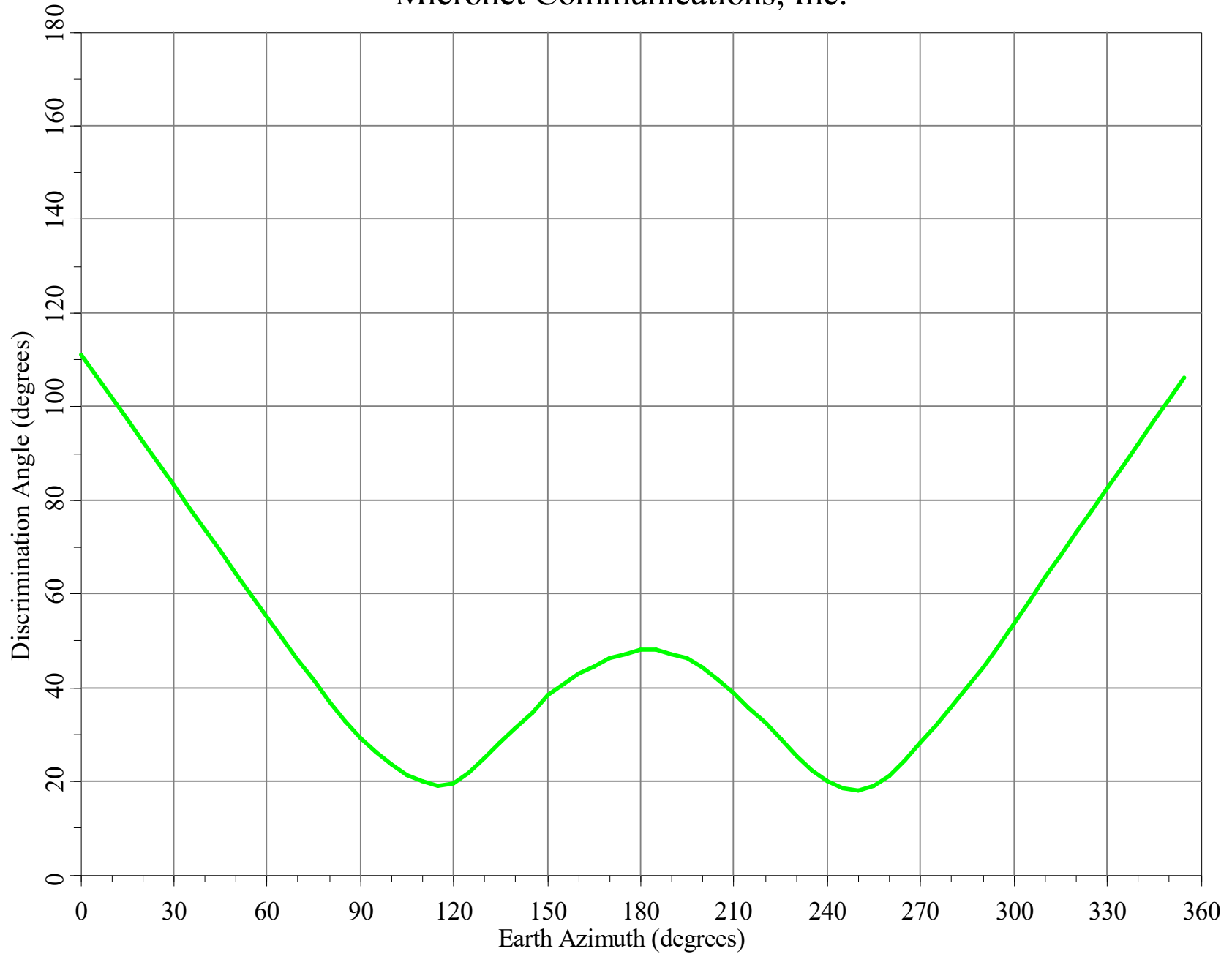
Horizon Angle & Satellite Arc for Sky Angel, TN Micronet Communications, Inc.



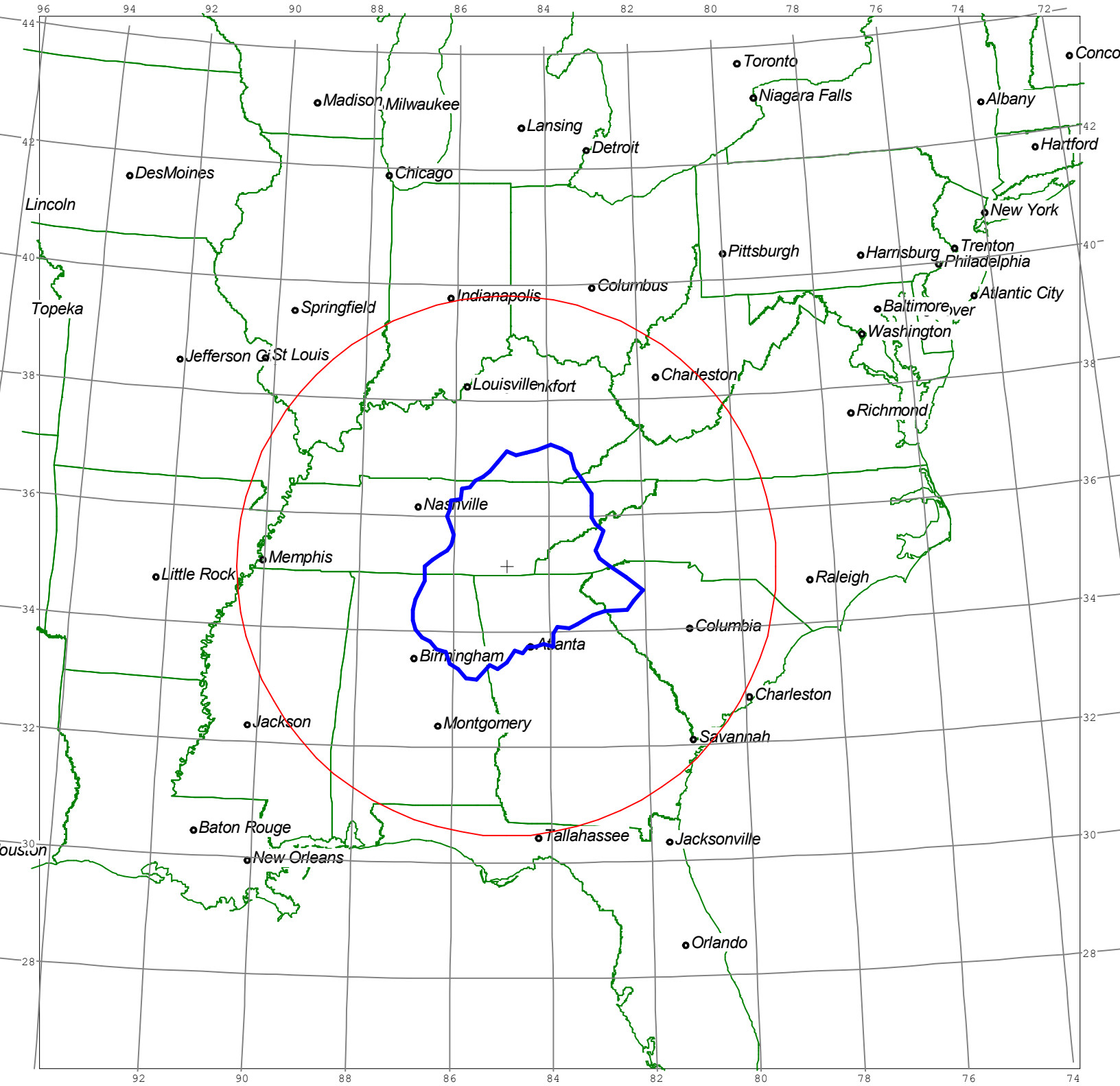
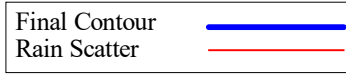
Horizon Gain for Sky Angel, TN Micronet Communications, Inc.



Minimum Discrimination Angles for Sky Angel, TN
Micronet Communications, Inc.



Final Contour & Rain Scatter for Sky Angel, TN - Receive



Micronet Communications, Inc.

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SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1736301 3.70 GHz
Licensee: DOMINION VIDEO SATELLITE, INC.

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Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Sky Angel, TN

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

01/16/2018 Original PCN

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

COMSEARCH INC

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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| Site Name, State: | Sky Angel, TN | | |
| Call Sign: | | | |
| Latitude | (NAD83) | 35 8 | 39.2 N |
| Longitude | (NAD83) | 84 53 | 51.2 W |
| Elevation AMSL | (ft/m) | 891.40 | 271.70 |
| Receive Frequency Range | (MHz) | 3700-4200 | |
| Transmit Frequency Range | (MHz) | | |
| Range of Satellite Orbital Long. | (deg W) | 31.00 | 139.00 |
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| Antenna Elevation Angles | (deg) | 20.69 | 20.52 |

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| Equipment Parameters | | Receive |
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| | | |
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| Antenna Gain, Main Beam | (dbI) | 43.50 |
| 15 DB Half Beamwidth | (deg) | 2.40 |

Antennas Receive: COMTECH 3.8M

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| Max Transmitter Power | (dbW/4KHz) | |
| Max EIRP Main Beam | (dbW/4KHz) | |
| Modulation / Emission Designator | DIGITAL | 8M20G7W |

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| Coordination Parameters | | Receive |
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|-----------------------------------|-------|---------|---|
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